

WHERE CONDUITS ARE PICKED UP OR INTERCEPTED, CONDUIT SHALL BE HANDREELLED AND PULL ROPE INSTALLED FROM TERMINAL TO TERMINAL.

NOTE:
ALL ELECTRICAL DUCTS AND STRUCTURES WILL CONFORM TO GENERAL ORDER #28 (RULES FOR CONSTRUCTION OF UNDERGROUND ELECTRICAL SUPPLY AND COMMUNICATION PRESCRIBED BY THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA, JANUARY 2008).

CONNECTING TO EXISTING SCE STRUCTURES

- Per SCE requirements, customers are not allowed to enter, intercept or tie-in to existing SCE structures, equipment or conductors. This work will only be performed by SCE. Contact the appropriate SCE inspector to schedule an appointment. Customers may connect to an existing duct stub without a SCE inspector present.
- Per CPUC/SCE's Rule 15 B.1.A and Rule 16 D.1.A., the customer will provide all necessary excavations (with the exception of excavation under pads and primary splice boxes), material (including conduit and structural) and encasement, to be utilized in the intercept/tie-in process.
- The customer must adhere to all applicable Cal-OSHA, local, city, state and federal regulations, (including, but not limited to, all necessary shoring and traffic control) in place to perform the intercept/tie-in work by SCE's underground civil contractor(s).
- Intercept/tie-in work must be coordinated with SCE's civil contractors through the Division Inspector/CDM to limit exposure of excavation(s). Customer is responsible for securing excavations(s).

DOI: 12/10/07

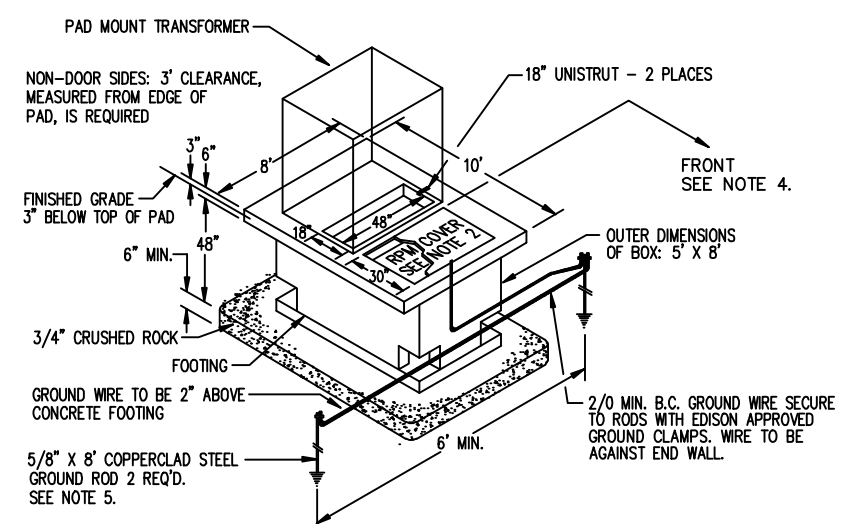
UNDERGROUND SERVICE ALERT

Dial 811
Call USA
For Underground Locating
2 Working Days Before You Dig

CUSTOMER-OWNED CONDUIT MATERIAL AND CONCRETE ENCASEMENT ARE TO BE INSTALLED IN ACCORDANCE WITH EDISON ELECTRICAL SERVICE REQUIREMENTS.
SUBJECT TO APPROVAL BY LOCAL INSPECTION AUTHORITIES

DOI: Rev. 01/06

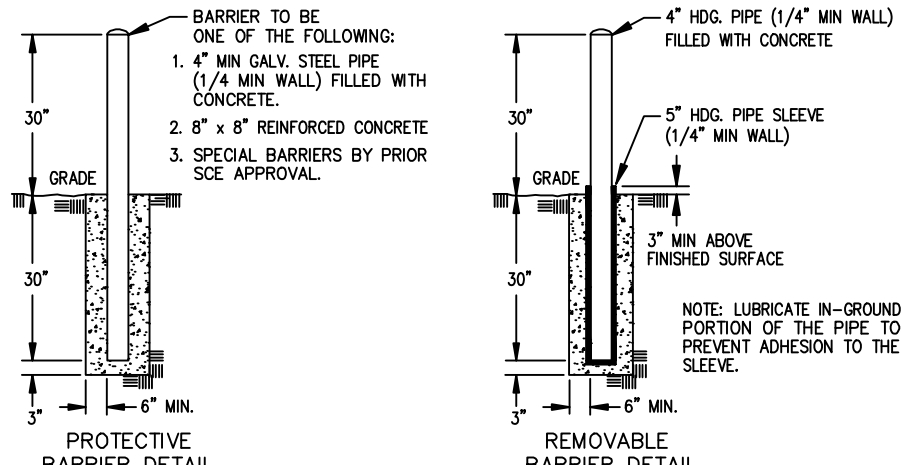
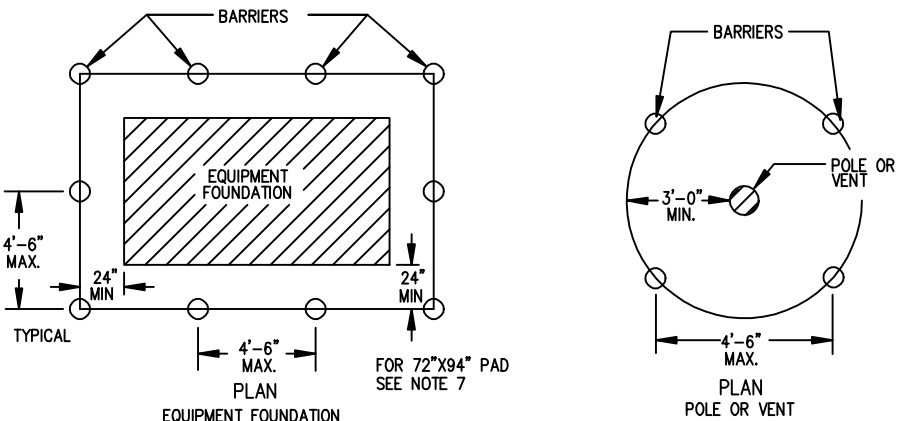
8'x10' SLAB BOX FOR 3ø PAD-MOUNTED TRANSFORMER (FOOTING REQUIRED) SEE UGS SS 530



- NOTES:
- PAD BOXING TO REST ON UNDISTURBED EARTH OR WELL-COMPACTED ROCKFILL TO PREVENT FUTURE SUBSIDENCE.
 - THE SLAB BOX AND CLEAR SPACING SHALL BE COVERED WITH A 2' x 4' x 1/2" MIN. COVER OR SHOWN ON UGS F-103.
 - 6\"/>
 - 4\"/>
 - GROUND WIRE TO BE 2\"/>
 - GROUND WIRE CLAMPS AND WIRE WILL BE TURNED AND INSTALLED BY THE CONTRACTOR. SEE UGS AC 703 FOR MINIMUM SPACING. MATERIALS SHALL BE 1/2\"/>
 - SEE UGS SS 530 FOR CONDUIT DISTANCE GUIDELINES.
 - SEE UGS SS 530 FOR APPROVED MANUFACTURERS.

DOI: Rev. 02/10/07

PROTECTIVE BARRIERS FOR UNDERGROUND DISTRIBUTION STRUCTURES SEE UGS MC 830



- NOTES:
- STRUCTURES WILL NORMALLY BE INSTALLED ONLY IN NON-TRAFFIC AREAS. PROTECTIVE BARRIERS TO BE USED WHERE CONSTRUCTION EXPOSES EQUIPMENT TO TRAFFIC.
 - TOP OF PROTECTIVE BARRIERS TO BE SMOOTH CUT AND TOP EDGES ARE TO BE ROUNDED.
 - AT LEAST ONE BARRIER IS TO BE REMOVABLE, WITH A MEANS OF LIFTING TO SUPPORT THE WEIGHT OF THE BARRIER. WHEN EXCESSIVE OBSTACLES PREVENT EQUIPMENT REMOVAL, OR INSTALLATION BY OTHER MEANS, THE REMOVABLE BARRIER(S) SHALL BE APPROVED BY THE UNDERGROUND INSPECTOR.
 - ADJACENT CLEARANCE MUST BE PROVIDED FOR DOORS, COOLING RADATORS, AND SO FORTH.
 - PROTECTIVE BARRIERS, AS SHOWN, INDICATE TYPICAL REQUIREMENTS. FIELD CONDITIONS MAY NECESSITATE CHANGES. FOR REMOVAL OF BARRIERS, THE UNDERGROUND INSPECTOR SHALL BE NOTIFIED.
 - THE UNDERGROUND INSPECTOR IN THE FIELD MUST APPROVE ALL PROTECTIVE BARRIER INSTALLATIONS PRIOR TO REMOVAL OF BARRIERS. THE UNDERGROUND INSPECTOR WILL EXTENDING THE FRONT AND BACK OF THIS EQUIPMENT FOUNDATION.
 - WHEN A 72\"/>
 - WHEN EXPOSED ON WORKING DRAWING, A 6-INCH (MINIMUM VERTICAL FACE) CONCRETE CURB MAY BE INSTALLED IN PLACE OF PROTECTIVE BARRIERS. THIS CURB MUST BE AT LEAST 16 INCHES THICK AND ITS FRONT FACE AT LEAST 36 INCHES (MINIMUM SPACING) FROM THE EQUIPMENT FOUNDATION.

DOI: Rev. 05/09/13

27-78B-4

27-78B-7

CONCRETE PRODUCTS

Precast concrete items complete with neck, cover and inserts may be obtained from any of the following listed and approved manufacturers:

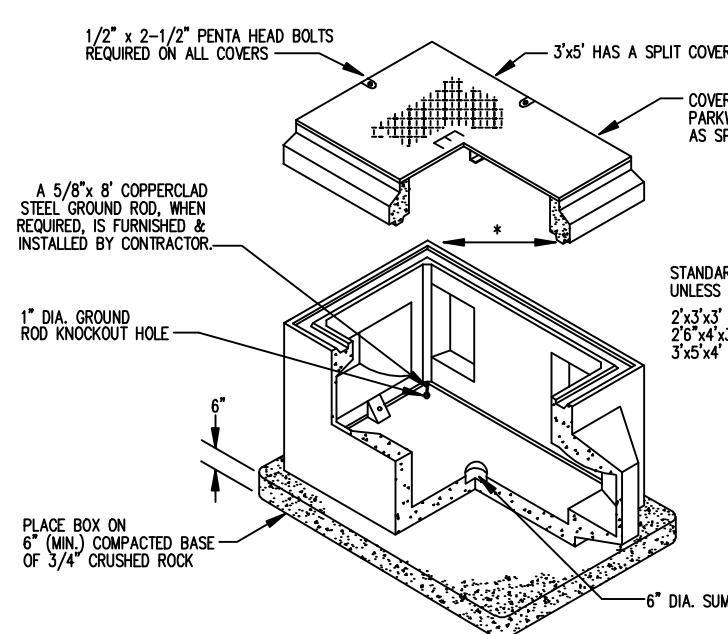
JENSEN PRECAST
14221 San Bernardino Ave., Fontana, Calif. 92335
Phone: (909) 350-4111
(909) 257-6100

OLDCASTLE PRECAST
10650 Hemlock Ave., Fontana, Calif. 92337
Phone: (909) 428-3700
(909) 428-3660

FOR HANDHOLE AND PULLBOX MANUFACTURERS, SEE UGS HP 200.

Applicants expressly represent and warrant that all work performed and all material used in meeting Applicant's obligations herein are free from defects in workmanship and are in conformity with Southern California Edison Company's requirements. This warranty shall commence upon receipt by Applicant of the Company's final acceptance and shall expire one year from that date. Applicant agrees to promptly notify the Company of any defects in workmanship or material of any governmental agency having jurisdiction and of Applicant's exposure any breach of this warranty which may become apparent through inspection or operation of underground electric system by the Company during this warranty period.

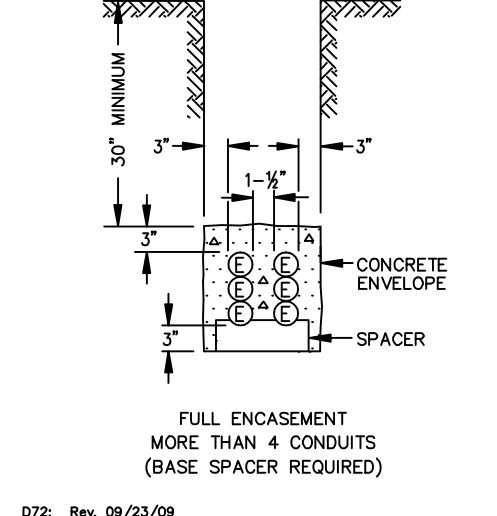
PRECAST CONCRETE PULL BOX WITH DEEP RECESSES (2'X 3' OR 2'6\"/>



* TYPE OF JOINT MAY VARY WITH MANUFACTURER. SEE UGS HP 200.

DOI: Rev. 02/10/07

TYPICAL CONDUIT BANK SECTION SEE UGS CD 120



DOI: Rev. 02/10/09

27-78D-4

27-78D-5

27-78C-9

27-78D-7



DISTRICT	LONG BEACH	PROJ. MGR. BERRY, JEFFREY A	PLANNER BERRY, JEFFREY A	DESIGN NO.	918884_0.01
FOREMAN		TRUCK NO. F/E	INVENTORY MAP NOT THOMAS CODE	GRID NO.	
CSO 140 Y	BY-PASS	EXISTING	FLM	U.P.A. NO.	ASSOCIATED DESIGN NO.
CHANGE TO	CODE	CHANGE TO	CHECKED -70	LOAD	
73000-LINE EXTENSION					
PROPOSED CONSTRUCTION (LOCATION)					
SACIN: 2					
235 1/2 MARINA DR					
LONG BEACH CA 90803					
SHEET					
JOB NO.					
1 of 2					
519584_0.01					
Southern California Edison Company					